Pocket Notebook, PN-86-03-04

This notebook covers the periods March and October 1886. Most of the entries are by Edison. Included are notes and drawings relating to the phonoplex, a hearing aid, lamp filaments, and kerosene lamps. There are also notes by Edison to his patent attorney, Richard N. Dyer, regarding an interference with Frank Sprague. In addition, there are entries in Mina Edison's hand pertaining to household accounts and suppliers. The front cover is stamped "Address." The book is unpaginated, and it has been used in both directions. Approximately 60 pages have been used. Numerous pages have been torn out of the book.

78.

478 \ 650 (8.
60 \ 624
660 / 26

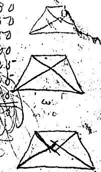
Ocklawaha

480
250
73

1233 | 865.0000 1684
221.65
34000

9/15

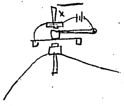
3.00
12.30
2.10
.30
.07
.08
6.00
2.25
2.25



PN-86-03-04

March 2 1886

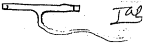
Pass strong currents through Solutions & then test with their proper reagents, also ditto in field of powerful magnet see what change if any



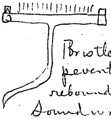
Phonoplex X lifts weight nearly up & reg throws it open slot when whole power of weight makes down sound

Deaf March 4 1886

TAE



Vacuum — also air — Hydrogen
CO_2 under varying pressure
also. Ether —



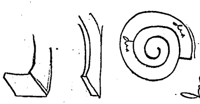
Bristles etc
pevent
rebound of
Soundwave

felted —
Velvet,

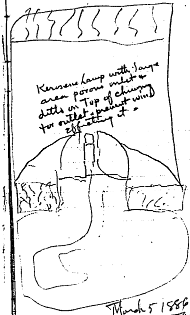
good

To dissolve out the resin of Bamboo etc use boiling linseed oil (Fe) hot + 24 hours, this is Damar resin process nothing else will do it — E

Deaf

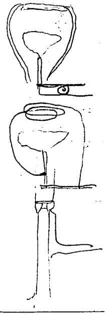


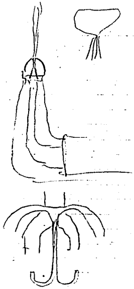
Try Microphone again —

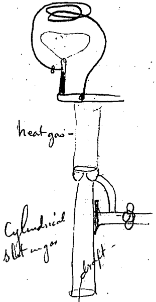


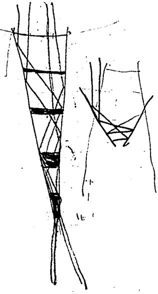
Kerosene Lamp with large area porous inlet & ditto on Top of chimney for outlet & prevent wind effecting it.

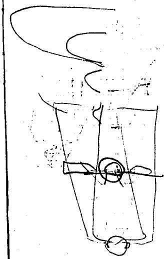
March 5 1886
TAE

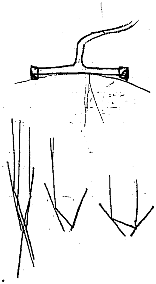


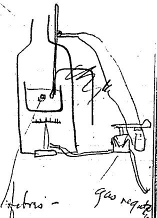



heat gas -
Cylindrical slit in gas
draft -

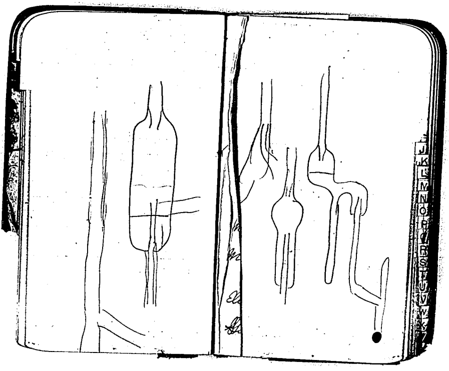







Ifebres -
Gas regulator

Cadmium heat same temperature


J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Z

$$4\overline{)75} \quad 4\overline{)50}$$
$$18 \qquad 12$$

100
73.70

26.30

$3.50
12.50
2.00
.30
.50
.50
6.00
.25
.25
.25
.12
.12
7.50
23.10
5.50
.25
.25
.25
.62
.42
.75

64.93

.06
6.50
1.08
.08
1.00
.03

8.75
64.93

73.68
.02

73.70

Lewis a large armchair

Ac ~~Mame $100~~ 150.
Mina 60.
Novem 11. 12. $310 to Cin.
for four persons.

$150
90
26
100
5

$371

Thomas $150.
~~Mame $100.~~
Mina $90.
" " $26.
" " $5.
" " $10.

yds Nainsook–
[illegible] 1 Suit consists of
1. Dress. Cap.
2. White muslin skirt
3. " Flannel "
4. Pinning " Blanket
5 Belly Band
6. ½ diapers
7. White Flannel shirt.
Maps.

dz 2 Handsome suits.
4 . medium "
½ dz Plain "
1 doz. Morning dresses
½ 2 " Night slips
1 doz Bibs
2 doz soft Handkerchiefs
Wash cloths, towels
3 Diaper pins, small & large
Chiffonier
{Baby basket - Powder
Box, Sponges, soap,

Brush & comb,

Bathing tub -
Cradle - 1
Shoulder Blanket 3 or 4
afghan. Bed Puff.
Blankets - 4
Sheets 2 doz pairs
Comforters - 2
Pillow slips 2 doz pairs
Under comforter - 1
Rubber bed sheet - 2
" Diaper - 2
Baby pins

Nurses aprons - ½ doz
" Caps - 2
Dining room - 4 aprons -
" " - 1 cap.
Upstairs - 4 aprons.
" - 1 cap -

Towel rack.
Scissors.

Pottier & Stymus
Arnoldi
✓Racks
~~Brokaws~~
✓Dr. Chadbourne 21
West 26th St.
~~Emils~~
~~Lolom~~aires.

Baby B. {
- Brush & Comb
- Powder & P. Box.
- Sponges
- ~~Soap~~
- ~~White silk~~
- Scissors
- Pins common

~~Brokaws~~
~~Towel Rack~~
~~Scissors~~

William P. Stymus

Pottier & Stymus Mfg. Co.
489 Fifth Ave.
New York.

Mrs. K. P. Bruch

39 W. 42nd St
New York

Miss Richmond

139 W. 46th St.
New York City

Dommus & Caibet – 23^{50}
Miss Richmonds –
Stockings
Buy Handkerchiefs
Lightlities –
f
Robes
Baby dresses
Ribbon
dress goods
Handkerchiefs
Ties

Charlie Burch –
195 Broadway –

N O P Q R S T U V W X Y Z

Madeline

O P Q R S T U V W X Y Z

#514
Shelf 6
Box 3

19
2
28
39
9
18
184
118

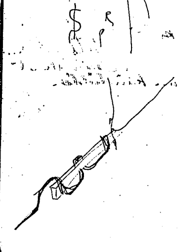
89
64
34
1,87

39

9

4

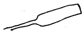
Tell Thompson
that his friend E L
Allkinson sold
his grove & all property
for 5500 Cash
returns to Indianapolis
Monday —
~~W.~~



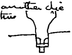
~~with the new clamp Johnott is making use platinum foil around Carbon & shove into a spongy socket of platinum~~

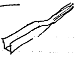
~~get some apple wood also Box wood cut fibres &~~

Oct 3 1886



stamp out in die platinum then in another die make it square thus





fibre

get some Electrotypers plumbago put some filaments in — also put some in bottom Cup put fibre in & then with plunger press it hard then add more plumbago & make fibre press

Oct 3 1886

& so on —

Make Moulds of Dextrin & plumbago fibres — See if Lamp Co got the dies for forming plumbago & reg carbon mould — Draw Manilla through die after it has been soaked in following Sugar Caramel Licorice Starch tragacanth Linseed Mucillage, Gum arabic Rosin. dry the fibre then with hot die, also through hot oil to soften binding material draw down very hard dry & carbonize Try all the fibres this way — Also bamboo

Oct 3 1886

Carbonize Hogan
filament angle of
20 also angle 45

Soak No 20 carbons
fully & resoak &
recarbonize.

Write our man in Fla
sending sample to dry
& send | bbl roots also |
2 whole banana stalks
green –

Get some white lacquer
& Lacquer spark
gauges both aluminium
wire see if it changes
also dog lamps – |
Try Copal –

Oct 3 1886 1

pass current through a reg carbon in air under microscope at dull red + notice oxidation

Put bamboo in small bulb with light capillary tip get vacum heat it slightly then break under sugar water + while full seal + heat for 1/2 hour so as to get increased pressure —

Put bamboo in sealed tube with sugar & heat to 180 to 220 for 1/2 hour

Boil 12 Carbons in No 20 Solution all day..

Try Manilla for wetting use aniline + sugar

~~[illegible]~~ : Soak in hot tragacanth
for 1/2 day Manilla then
take out & draw it round
through split Die of
Keller dry in drying
oven then Cut in lengths
& Carbonize in Anthracite

---

also put bamboo in
liquid sugar in
Vac with U tubes
of Chl Cal to
take up water,
Color with aniline,

160
3)1440
480

Oct 4 1886

Boil fil bamboo
also carbons
in Coal tar
until Carbozed

---

also in Asphalt
thinned by
Turpentine

also Cartons
High lamp

Oxalic acid melts
212 - C

Boiling p Benzoic acid
225 C

Saccharose (Cane sugar)
160 C melting point

Soak Bamboo
fils in Cupric
ammonium few
min.

---

also dip + allow
Sol to dry —

Carbonize

1 pt Cotton wool to
dissolved in mixture
24 pts SO_4 & 6 pts H_2O
a gelatinous precip is
thrown down on adding
more water. This is
"amyloid", same as
outer coating of parchment
paper -

Treat some
bamboo fils with
HCl - SO_4 -
KO ammonia -
Carbonize -

also same but
wash by soaking in
H_2O -

Have Mills Cut some
parchmentized paper
filaments reg A -
Boil in Molasses
10 hours dry +
Carbonize -

15
100.
1500
300
450000
4800
500
300 | 2400000 (800
800
2400000

132000

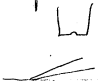
8~~00~~
60 54
300
16200

75
125
165
800
132000

8
60
400
500
200000

also carbonize the paper fibs without soaking & then Boil Carbons in Molasses also sugar —

Make a shaving Knife



Reply

4500
18000
9000
2500
33,500

Motors Oct 17 1886
Have Dyer report on
points Sprague
infringes also
which he is anticipated
by others

Picking Jars
in freeze & also
Cutting in resist etc
Counter wound
on the field

Use burnt Lime
also anhyd Sul Cu
for drying in pumps

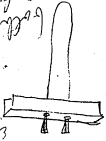
fusible metal

$Bi_4 Cd Pb_2$ 89.5^{c}

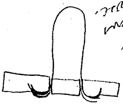
$Bi_8 Cd_2 Pb_7$

$Bi_2 Pb Sn$ Rose's 93.7^{c}

$Bi_4 Cd_1 Pb_2 Sn_1$ 60.

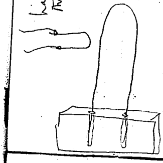


Ends hammered out

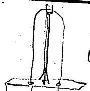


bent round

both carbons loose.



hanging thread



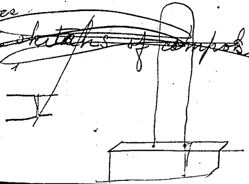
upright

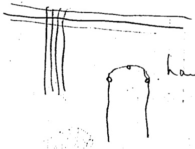
instead hanging put it upright

thes

~~the sketches of compose~~

is





hang on thread

4 tickets to Punta
Gorda - 3.50

4 tickets to Punta Gorda	@	3.50 ------	14.00
" " " Jacksonville	@	12.50 -----	50.00
" Lower Berths to L. S. train	@	2.00 -----	8.00
" Baggage Express	@	.30 -------	1.20
" Suppers at Punta Gorda	@	.50	2.00
" Breakfasts , Bartow	@	.50	2.00
8 qts. strawberries	@	.20	1.60
1 doz. Oranges	@	.20	.20
4 per. 2 days Lake Irin	@	3.00 --------	24.00
4 fares to station	@	.25 - -	1.00
4 Valises express	@	.25 --------	1.00
" tickets Windsor Hotel	@	.25 --------	1.00
6 oranges @ 2 for	5	.05 --------	.15
Porter fee -----		----------	.75
1 apron for Mamma	@	1.20 --------	1.20
1 pin " Grace	@	6.00 --------	6.00
½ doz. [illegible]	@	.10 --------	.50
4 shirts for Papa & Darling	@	2.50 --------	10.00
2 Porters ------		----------	.50
½ ds Windsor Hotel		7.50 ------	30.00

8 Lemonads @	.20	2.00
4 Tickets to Cincinnati @	23.10	92.40
2 Sections " " @	11.00	22.00
Washing " @		1.92
4 Box Baggage to train @	.25	1.00
4 Stage Fare @	.25	1.00
1 Vinaigrette @		7.00
2 Alligator pins @	.40	.75
2 Daisy Pins @	.50	1.00
Con Cof Box @		0.00
2 lb Plums @	.25	.50
Peanuts @	.35 a pk.	.10
Cucumbers 3½ doz @	.70	2.45
Otto Rose		.75
Cuff Buttons		3.00
Breakfast for 2	.62½	1.25
"	.42½	.85
Dinner at Atlanta	.75	3.00
Fare		.60

Jacksonville Porter		@	.25
4 Tickets from Cin. to Akron	@	6.50	26.00
4 Breakfast "	@	1.08	4.35
1 Porter fee			.35
4 Seats to Akron	@	1.00	4.00
Waiter	@		.15
2 Porters fee	@		.50
4 Lunch on Cars	@		2.90
1 trunk charge	@		1.50